

**PATENT APPLICATION**

**Title:** Chemical Synthesis Comprising Heat Treatment by Intermittent Dielectric Heating, Combined with a Recycling System

**Inventor:** Mr. Pierre Charlier de Chily  
Mrs. Mikaële Raynard

**Applicants:** ALDIVIA S.A.

**ABSTRACT**

This invention relates to the design of a process by intermittent dielectric heating combined with a recycling system.

This process consists in subjecting reagents to electromagnetic waves selected in the frequencies ranging between 300 GHz and 3 MHz intermittently using a recycling system.

This process enables the treatment of oils that are hardly absorbent as well as great investment savings.

This process enables operation on different scales, whether in laboratories, on a semi-industrial or industrial scale, without forfeiting the advantages of continuous dielectric heating.

**FIG. 1**

**Chemical Synthesis Comprising Heat Treatment by  
Intermittent Dielectric Heating, Combined with  
a Recycling System**